PE Info							
P E Info			09/870,649	Catherwoo	d		
	ormation Disclo		On Docket Number	Group Art		ate	
470	in an Applic	ation	068354.1440	2124	June 1	, 2001	
7 9 2004			U.S. PATENT DOCUMENTS	· · · · · · · · · · · · · · · · · · ·			
ADE ABY	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILI	NG DATE
PWA.	3771146	11/6/73	Cottton et al.	He	260	1	1/22/73
В.	3781810	12/25/73	Downing	340	172.5	-↓	1/20/72-
Cu/c.	3886524	5/27/75	Appelt	710	116	10	0/18/73
D.	4025771	5/24/77	Lynch et al.	708	591	3	3/25/74
E.	4074353	2/14/78	Woods et al.	7/0	264		/24/78
F	4090250	5/16/78	Carlson et al.	112	234	9	/30/76
G.	4323981	4/6/82	Nakamura	364	749	10	0/23/78
<u> Ол/н.</u>	4379338	4/5/83	Nishitani et al.	708	552	11	1/21/80
1.	4208244	8/9/83	Chu et al.	364	200	┼	5/7/80
By J.	4408274	10/4/83	Wheatley et al	364	\$00	9.	/29/80
MK.	4451885	5/29/84	Gerson et al.	708	200	3	3/1/82
L.	4472788	9/18/84	- Yamazaki	364	606	8,	/27/81
М.	4481576	11/6/84	Bicknell	304	200	3,	/19/82
N.	4488252	12/11/84	Vesser	364	748	2	/22/82
0.	4511990	4/16/85	Hogiwara et el.	364	748	10)/15/81-
			FOREIGN PATENT DOCUMENT	rs			
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRAN	ISLATION NO
- Р.	01037-24 A	2/1989	JP (w/abstract) (Nb Co)	HO3M	001/82		×
en a	0 554 917 A2	8/11/93	EP	- GOGF	9/20	х	
OV R.	96/11443	4/18/96	wo	GOOF	15/78-	X	
(M) s.	0 855 643 A1	07/29/98	EP	G06F	9/30	х	
OW T.	0 992 888	12/04/00	EP	G06F	9/32	х	
()M U.	0 992 889	12/14/00	EP	G06F	9/32	х	
<u> </u>	NON-PATENT	T DOCUMENTS	- DOCUMENT (Including Author, T	itle, Source, and Per	rtinent Pages)		
CW V.	rundamentals of Electr	onics, Communi	ocessor with DSP Functionality: Rapi cations and Computer Sciences, Insti 5, pages 1339-1347, XP001060025 I	tute of Flectronics Inf	Transactions on ormation and		10004
CW w.	Turley J: "Balancing Co	onflicting Require	ements When Mixing RISC, DSPs* Co . 10, pages 46, 48, 50-53, XP000860	mouter Design Pen	nwell Publ.		/2001 0/1998
Wx.	Levy M: "Microprocess	or and DSP Tec	hnologies Unite for Embedded Applic sachusetts, US, no. Europe, pages 73	ations" EDN Electrica	l Design News, 0779113 ISSN:		2/1998
				DATE CONSIDERE	D	, 3/2	1330
EXAMINER	, N ~			I PULL COMBINERS	U		

PT	O-144	19			Application No.		Applicant(s)				
					09/870,649		Catherwood	d			
P	Eilute	ormation Disclos in an Applic	ure Citat	ion	Docket Number		Group Art	Unit	Filing Da	ate	
	4)	an an Applic	ation		068354.1440		2124		June 1	. 2001	
2 9	2004			U.S.	PATENT DOCUMEN	TS					
	4	DOCUMENT NO.	DATE		NAME	T	CLASS	SUB	CLASS	FILI	NG DATE
MOEN	A.	4556938	42/3/85		Parker et al.		364		200	上。	122/82
	В.	4626988	12/2/86		George	1	364		100	1	3/7/83
<u> </u>	Ç.	4 730248	3/8/88	v	Vatanabe et al.		364		:00		/30/84
er	D.	4742479	5/3/88		Kloker et al.		364		46		/25/85
Ch		4768149	8/30/88		Konopik et al.		364		80=		/29/85
u	F.	4779191	10/18/88		Greenblatt		711		2~		/12/85
	G.	-4782457	11/1/88		Cline		364		5.04		/18/88
lh	Н.	4800524	1/24/89		Roesgen		364		00_		2/2/87
	1.	4807172	2/21/80		Nukiyama		364		5.08	1	47/87
_	J.	.4829420	-5/9/89		Stahle		364		00		
	K.	-4829480	5/9/89		- Ito		364		5.08	0/29/87	
L	L.	4839846	6/13/89		Hirose et al.		364		48		142/86-
1 CH	М.	4841468	6/20/89		Miller et al.		708	625			20/87
	N.	4872128	10/3/89		Shimizu		364			·	17/88
	О.	4882791	11/21/80		- Ishii		364				23/88
14	Р.	4926371	5/15/90	Va	ssilliadis et al.		708	6	28-	<u> </u>	/28/88
	Q.	4941120	7/10/90		Brewn et al.		-364		18		17/80_ ,
					N PATENT DOCUME	NTS			70	4/	11100
		DOCUMENT NO.	DATE		COUNTRY		CLASS	SUBC	LASS		SLATION
	R.									YES	NO
	S.										
		NON-PATENT	DOCUMENTS	S - DOCUME	NT (Including Author	, Title, S	Source, and Per	tinent Pa	ges)	<u></u> j	L
en	T.	Intel, Pentium Processor 1, 3-2, 3-15, 14-1 to 14-3	Family Develo	oper's Manua	Volume 3: Architract						1995
en	U.	Intel, Embedded Intel486				3-17, 3-	37, 4-5, 4-6, 10-	1 to 10-12	2, 12-1		1993
W	V.	to 12-10 Moore, M "Z80 Family In <url: http:="" td="" www.gaby.c<=""><td>terrupt Structu</td><td>re" Badeywo</td><td></td><td></td><td></td><td></td><td></td><td></td><td>/1997 1997</td></url:>	terrupt Structu	re" Badeywo							/1997 1997
OW/	W.	PCT Search Report base			ages					M	lailed 27/02
W	Х.	PCT Search Report base				***				М	alled
8	Y.	PCT Search Report base	•							М	/9/02 ailed 48/02
EXA	MINER	N40				DA	TE CONSIDEREI	/		10/	/18/02
EXA	MINER:	Initial if citation considered	, whether or not	citation is in c	onformance with MPEP	§ 609. I	T			ormance	and not

PT	O-1449	n		Application No.	Applicant(s)		rage 3 of
				09/870,649	Catherwood	I	
IP	Info	rmation Disclo		n Docket Number	Group Art (Jnit Filing Da	ate
1	ું કો	in an Applic	cation	068354.1440	2124	June 1	. 2001
2 9				U.S. PATENT DOCUMENT			,
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A PER OF			173112	0233	30BCL/G3	FILING DATE
WEN.	В.	4943948	7/24/90	New New	364	748	9/27/84
-	C.	4959776	9/25/90	Deerfield et al.	364	200	12/5/88
<u> </u>	 	4077533	12/11/90	Miyabayashi et al.	364	720	10/10/89
-	D	.4984213	1/8/91	Abdoo et al	383	230.03	2/21/89_
<u> </u>	E.	5007020	4/9/91	Inskeep	384	900	5/7/90
<u> </u>	F.	<5012441	4/30/91	Retter	964	000	11/24/86
<u> </u>	G.	(5032980	7/16/91	Pathak et al.	364	200	9/22/89
<u> </u>	H.	5034887	7/23/91	Yasul et al.	364	200	7/27/90
	1.	-5038310	8/6/91	Akagiri et al.	364	715.04	4/19/90
Or	J.	5040178	8/13/91	Lindsay et al.	_371	21.5	5/12/89
	K.	-5956004	10/8/91	Ohde et al.	264	200	10/14/68
Ĺ	L.	-5099445	3/24/92	Otudor et al.	-364	715.00	12/20/89
	M.	5101484	3/31/92	Kohn	395		
	N.	5117498	5/26/92	- Miller et al.	396	375	2/14/89
	О.	5121431	6/9/92	Wiener		775	9/19/90-
	P.	5122081	6/10/92	Teniguehi	713	174	7/2/90
	Q.	6155823	19/13/02	Tsue	384	748 —	3/23/89
	R.	5177373			395	400	4/17/89
	S.	•	1/5/93	Nakamura	307	265	9/27/91
-	Т.	5197023	3/23/93	Nakayama	364	748	10/31/91
	U.	<u>-5107140</u> 	3/23/93	Balmor	395	400	11/17/89
	v.		4/27/93	Murakami et al.	395	400	8/27/91-
Cu	 	_5212662	5/18/93	Cocanougher et al	364	748	9/11/90-
040	x.	5239654	8/24/93	Ing-Simmons et al.	395	008	11/17/89
	L^	,5276634	1/4/94	Suzuki et al.	364	748	8/20/01-
	т т			FOREIGN PATENT DOCUME	NTS		
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	Y.						
		NON-PATEN	T DOCUMENTS	DOCUMENT (Including Author	, Title, Source, and Per	tinent Pages)	
	Z.						
EXA	MINER	1 1			DATE CONSIDERE	D .	<u> </u>
		NGO			4/04	105	
EXA	MINER:	Initial if citation consider	ed, whether or not c	itation is in conformance with MPEP		, ,	formance and not
consi	dered. In	clude copy of this form w	ith next communica	tion to the applicant.			

PTO	O-144!	3	···		Application No. Applicant(s)						
					09/870,649	0	atherwood	t			
PIF	-	rmation Disclos		on	Docket Number		Group Art	Unit	Filing Da	te	
	•	in an Applic	ation		068354.1440		2124		June 1,	, 2001	
l l	9 2084	별		U.	S. PATENT DOCUMENTS			···-			
	MARK A.	DOCUMENT NO.	DATE		NAME		CLASS	SUB	CLASS	FILIN	G DATE
ZAD	Ä.	5282153	1/25/94		Bartkowiak et al.		364	,	/16	4/	6/83
	В.	-5327543	7/5/94		Miura et al.		395		375		23/90-
	C.	-5327566	7/5/94		Porsyth		-395	,	75	7/12/91	
Cu	,D.	5375080	12/20/94		Davies		364	7		12/	18/92
	E.	5379240	1/3/95		- Dyme -		384		5.08		8/93
leg	F.	5392435	2/21/95		Masul et al.		395		725		29/93
a	_G.	5418976	5/23/95		lida		395		300-		21/92
	н.	5422005	6/8/95		McIntyre et al. 708				25		21/92
Cu	l.	5432943	7/11/95		Mitsulshi		305	7		<u>† </u>	19/93
	J.	5448703	0/5/95		- Amini et al.		395		90	5/2	28/09-
	К.	5448708	9/5/05		Florning et al.	-	395	42	1.07	5/	13/92
	L.	-5463749	10/31/95		Wertheizor et al.		305	4	407		19/93-
	M. 5409377 11/21/95				Amano		-364	7	48	8/	 1 8 /93
	N.	5471000	11/28/95		Nakamoto		-395		105	2/1	22/95
	О.	5497940	3/5/98		Uramoto et al		364	7	45	6/	14/93
	P.	-5409380	3/12/96		lwata et al.		395	800		5/	18/04
ou	Q.	5504916	4/2/96		Murakami et al.		_395_	.8	-800		28/93
au	R.	5517436	5/14/96		Andreas et al.		364		36-	6/	7/94
Cu	S.	5525874	6/11/96		Mallarapu et al.	,	_318	یے	354-	1/:	30/95
	T.	5548544	8/20/96		Matheny et al.	-	_364	7	45	10/	14/94
lu	U.	5561619	10/1/96		Watanabe et al.		-364	-70	36.57	9/:	20/94
29	V.	5564028	10/8/96		Swoboda et al.	_	, 395 —	حو	757	1/	11/94
Con	W.	5568380	10/22/96	•	Broadnax et al.	<u> </u>	_364	1	184	8/:	30/93
				FORE	IGN PATENT DOCUMEN	TS					
		DOCUMENT NO.	DATE		COUNTRY		CLASS	SUB	CLASS	YES	SLATION NO
	X.										
		NON-PATEN	T DOCUMENTS	- DOCUM	MENT (Including Author,	Title, So	urce, and Pe	rtinent P	ages)		
	Υ.									ľ	
	Z.										
EXA	MINER	NGO				DATI	CONSIDERI		05		
BVA	MINED	 									
consi	dered. I	initial if citation consider nclude copy of this form w	cu, wnemer or not ith next communic	cation to th	in conformance with MPEP { e applicant.	OUY. DI	aw tine throug	n citation i	I not in con	Iormance	and not

DT	O-144				Application No.		Applicant(s)				
					09/870,649		Catherwood	od			
011	ojgja	rmation Disclo	sure Citati	on	Docket Number	L	Group Art	Unit	Filing Da	ite	
	· \	in an Applic	ation		068354.1440		2124		June 1	2001	
V 2 8	2006	3			U.S. PATENT DOCUMENT				oune i	, 2001	
		DOCUMENT NO.	DATE		NAME		CLASS	SUB	CLASS	FILI	NG DATE
EM	A. OLE	-5568412	40,000,000	· · · · ·				-			
	В.	5596760	1/21/97		Han et al.	-	364		748		/29/94
	C.	5600813	2/4/97				395		588		2/9/92
Cu	D.	5611061			Nakagawa et al.		395		1.07	1 2	19793-
	E.		3/11/97		Yasuda		~305 ~	+ =	591	11	/24/93
Cu	F.	5610711	4/8/97		Anderson	-			300	6/	29/84
104	G.	5638524	6/10/97		Kluchl et al.	- -	_395		375	5/	17/95
a	н.	5042916	6/24/97		Hedayat et al.		305		733	10	/14/94
17	1.	5649146	7/15/97	···	Riou		- 295 -	.42	1 .07 -	3/	30/95
H	J.	5651121	7/22/97		Davies		-305	<u> </u>	376-	12	/18/92
		5657484	8/12/97		Scarrá		-305 -	4	561-	12	/27/94
Cy	К.	5659700	8/19/97		Chen et al.		-395	-42	1.07	2/	14/95
104	 	5682339	10/28/97		Tam		₹364	71	5.08-	5/	26/95
	М.	5689693	11/18/97		White		- 395	<u> </u>	005	4/	26/94
<u> </u>	N.	-5694350	12/2/97		Wolrich et al.		364	ļ	168		90/95
<u> </u>	О.	-569671 1	12/9/97		Makineni		304	74	8.03	12	/22/05
	P.	5706469	1/6/08		Craig et al.		395	3	80	3/	19/91
ay	Q.	5706466	1/6/98		Dockser		-395	4	52	1/	13/95
<u> </u>	R.	-5715470	2/3/98		Asano et al.		393		100	97	27/93
	S.	-5737570	4/7/08		Koch		395		72	4/	28/97
en	T.	5740095	4/14/98		Parant		_364		60	7/	12/95
	U.	5740419	4/14/98		Potter		395	5	188	-7/	22/98 <i>></i>
U	V.	5740451	4/14/98		Muraki et al.		-395	7	33		/28/96
	W.	5748316	5/5/98		Goddard et al.		364	74	8.03	9/	26/95
			,s.*	FOF	REIGN PATENT DOCUME	NTS		-			
		DOCUMENT NO.	DATE		COUNTRY		CLASS	SUBO	CLASS	TRAN YES	SLATION
	X.									IES	NO
	Y.										
		NON-PATEN	T DOCUMENTS	- DOCL	JMENT (Including Author,	Title, S	ource, and Pe	rtinent Pa	ages)	J	
	Z.										
EXA	MINER	11			· · · · · · · · · · · · · · · · · · ·	DAT	E CONSIDER	ED			
		Maro					4/0	4/0	5		
EXA	MINER:	Initial if citation considere	d, whether or not	citation i	is in conformance with MPEP	§ 609. D	raw line throug	1 1	•	ormance	and not
const	uered. In	clude copy of this form wi	th next communic	ation to	the applicant.						

				<u> </u>	•		<u> </u>			Pa	ge 6 of
PTO	D-1449	9			Application No.		Applicant(s)				
	Info	rmation Disclos	ure Citati	on	09/870,649 Docket Number		Catherwood		Em P		
PE		in an Applic		On	Docket Number		Group Art	Jnit	Filing Da	te	.•
	4				068354.1440		2124		June 1,	2001	
2 9 2	/S 4 190			U.	S. PATENT DOCUMENTS	S					
	B.	DOCUMENT NO.	DATE		NAME		CLASS	SUB	CLASS	FILIN	G DATE
ST.	Bt.,	5748970	5/5/98		Miyaji et al.	,	395	7		4/:	30/96
	В.	5764555	6/9/98	·	McPherson et al.		364	74	8.03	3/	13/06
Qu	C.	5765216	6/9/98		Weng et al.		711	Ţ	14	6/	17/96
an	`D.	5765218	6/9/98		Ozawa et al.		-711-	2	19	3/	10/95
	Ε.	-5774711	6/30/98		Henry et al.		- 395		91		26/96
	F.	*5778416	7/7/98		Harrison et al.		711		5		2/97
	G.	-5700443	8/4/98		Shen et al.		364	7	40	3/	19/90
	н.	5800920	9/15/98		Gorshtein et al.		364		8.11		24/96
	l.	5812430	9/22/98		Hansen		364		8.03		10/95
cu	J.	5812868	9/22/98		Moyer et al.		-305		0.23		16/96
	K.	6829730	10/20/98		Nishida et al.		309		.32		8/90 -
On	L.	5826072	10/20/98		Knapp et al.		-395		67_		13/95
	М.	-5826096 - 10/20/98			- Baxtor		305		0.24		19/95
	N.	5828875	10/27/90		Halversson et al.	395			88	3/29/97	
	0.	5862065	1/19/99		Muthusamy		364		0.5	21	13/97
Cy	P.	5867726	2/2/99		Ohsuga et al.		395		0.32		10/96
05	Q.	5875342	2/23/99		Temple		305		39		3/97
	R.	6880984	3/9/99		Burchilel et al.		364		0.07		13/97
	S.	-5892097	4/6/99		Brakefield		384		8.02		19/95
	Т.	5892699	4/6/99		Duncan et al.		364		0.4		16/97
	U.	5804428	4/13/99		Harada		364		4.03		28/97~
a	v.	5900683	5/4/99		Rinehart et al.		-307		20-		23/97
	W.	5000005	G/1/99		Nishiyama et al.		364		0.03		23/3/
				FORE	IGN PATENT DOCUMEN	NTS			,		701. ·*
		DOCUMENT NO.	DATE		COUNTRY	 	CLASS	SUB	CLASS		SLATION
	X.									YES	NO
	Υ.										
		NON-PATENT	DOCUMENTS	S - DOCUM	MENT (including Author,	Title, So	ource, and Pe	rtinent P	eges)		
	Z.				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
EXA	MINER					DAT	E CONSIDERE	D ·			
		NZO					,	/0 S			
EXAN	AINER:	Initial if citation considers	d whether as said	l citation in	in conformance with MPEP	6 600 5		L -		<u> </u>	
consid	lered. In	iclude copy of this form with	th next communi	cation to th	e applicant.	y 007. D	· « · · · · · · · · · · · · · · · · · ·	i cimadu I	i not in cont	ormance	mia 1101

PT	O-1449			Application No.	Applicant(s)			age / of
l				09/870,649	Catherwoo	d		
1.	Infor	nation Disclos	sure Citation	Docket Number	Group Art	Unit Filing	Date	·
	` ₈	in an Applic	ation	068354.1440	2124	June	1, 2001	
2 8 2	2004 B			U.S. PATENT DOCUMENT	S			
	A. A.	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILIN	NG DATE
MAB	A.	5917741	6/29/00	Ng	364	/48.03		/20/06
en		5918252	6/29/99	Chen et al.	711	-217		/25/96
	C.	5930159	7/27/99	Wong	364	745.01		/17/98
	D.	-6030303	7/27/99	Drees	305	651		
Cin	E.	5936870	8/10/99	lm, Jin Hyeock				/29/95
Cu	F.	5937199	8/10/99			745.03		15/97
<u> </u>	G.	5930759	0/17/99	Temple Koralia	-395	-335 —		/3/97
	Н.	<u>≠6941940</u>		Kamijo	712	200		/10/07
	1.	5943249	8/24/99	Prasad et al.	708	523	6/	30/97
ly	J.		8/24/99	Handloglen	364	748.02	4/	25/97
<u>~</u>	K.	5944816	8/31/99	Dutton et al.	712	-215	5/	17/96
	L.	5951627 5951679	9/14/99	Klamilev et al. Anderson, et al.	708	404	1	/14/90 —
en	M.		 		712	241	10	/31/07
an	N.	5978825	11/2/99	Divine et al.	708 _	525_	11	/14/97
W.	0.	5983333	11/9/99	Kolagotia et al.	· 7 11	-210	8/	27/97
li	P.	5001787	11/23/99	Abel et al.	708	400	12	/31/07 —
	Q.	5991868	11/23/99	Kamiyama et al.	_712	-32	5/	19/94
	R.	-5996007	11/30/99	White	-712	224	10	/28/97 -
	 -	6009454	12/28/99	- Dummormuth	709	108	11	/10/97~
_	S.	6014723	1/11/00	Tremblay et al.	711			23/97
Cy		6018757	1/25/00	Wong	-708	525	8	/8/96
	U.	6020469	2/15/00	Washl et al.	712	241	4/	26/9 5 -
	V.	,6044392	3/28/00	Anderson et al.	708	551	8	14/97
	W.	6044434	3/28/00	Oliver	711	110	- 0/	24/97
				FOREIGN PATENT DOCUME	т			
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRAN	SLATION NO
	X.							
	Y.							
		NON-PATEN	F DOCUMENTS - D	OCUMENT (Including Author,	Title, Source, and Pe	rtinent Pages)		
	Z.					,	Т	 _
EXA	MINER	. /	1	1 ^	DATE CONSIDERI	ED /	<u> </u>	
		4/0	41 M	40	4/04	/		-
	MINED. I	uitial if citation consider	<u> </u>	ution is in conformance with MPEP		/		

		L Amelia adla v Ala			Page 8 of	
49		Application No.	Applicant(s)			
ormation Disclos	sure Citation	09/870,649	Catherwood	Eller De	4-	
			Group Art Unit	Filing Da	te	
6		068354.1440	2124	June 1,	, 2001	
8		U.S. PATENT DOCUMENTS	6			
DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
6049858	4/11/00	Kolagotia et al.	_711_	-217 -	8/27/97	
-6058400	5/2/00	Kozaki et al.	700	409	8/5/97	
-0058410	9/2/00	Sharangpani	708	- 551	12/2/98	
£058464	5/2/00	Taylor	711		7/9/96	
6061711	5/9/00				8/19/96	
6061780	5/9/00	Shippy et al.	712	204	1/23/98	
6061783	5/9/00	Harriman	712	-224_	11/13/96	
			·		1/16/98	
					6/30/97	
					3/25/98	
					6/29/98	
					5/8/98	
		_			12/12/97	
					5/8/98	
					1/28/98	
			,		12/29/97	
					10/28/98	
				17	11/14/95	
					11/10/98	
					12/23/98	
					7/22/98	
					10/31/98	
				44-	3/30/99	
DOCUMENT NO.				SUBCL ASS	TRANSLATION	
			-		YES NO	
 					 	
NON-DATENT	L DOCUMENTS - DO	CUMENT (Including Author	Title Source and Bard's	nt Danis'		
TONY AIEM		Comerci (moldaing Author,	ime, source, and renine	ont Pages)	 	
<u> </u>						
	10		DATE CONSIDERED	1/25	. 5	
				_L		
Include copy of this form wi	th next communication	on is in conformance with MPEP to the applicant.	§ 609. Draw line through cita	tion if not in conf	formance and not	
	In an Applic DOCUMENT NO. 6049858 -6058409 -0958410 -6058464 -6061783 -6061783 -6076454 -6084880 -6101599 -6115732 -6128728 -6424574 -6144980 -0145049 -6181151 -6205467 -6209086 -6243786 -6243804 -6260162 -6292866 DOCUMENT NO.	Formation Disclosure Citation in an Application DOCUMENT NO. DATE 6049858 4/11/00 -6058409 5/2/00 -6058464 5/2/00 6061711 5/9/00 6061783 5/9/00 6061783 5/9/00 6061783 6/13/00 6076154 6/13/00 6084880 7/4/00 -6101599 8/8/00 6115732 9/5/00 6128728 40/3/00 6145732 9/5/00 6144980 11/7/00 -6144980 11/7/00 -6144980 11/7/00 6181151 1/30/01 6209086 3/27/01 6209086 3/27/01 6243786 6/5/01 6243786 6/5/01 6262866 9/18/01 F DOCUMENT NO. DATE NON-PATENT DOCUMENTS - DO	Application No. 09/870,649 Docket Number 068354.1440	Application No. Applicant(s) Catherwood	Application No. Application Application Application Catherwood	

P	TO-144	9		Application No.	Applicant(s)			80 3 01
		•		09/870,649	Catherwood	l		
1	Info	rmation Disclo		Docket Number	Group Art L	Juit Filing Da	ate	
L	- }	in an Applic	ation	068354.1440	2124	June 1	, 2001	
y 2	9 2904) :		U.S. PATENT DOCUMENT	rs	·····		
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILIN	G DATE
406	M PACE	6295574	9/25/01	MacDonald	710	261	1/2	20/00
L	В.	6315200	11/13/01	Silverbrook et al.	335	454		0/98
L	C.	6356970	3/12/02	Killian et al.	710	269		28/99
	D.	6377619	4/23/02	Denk et al.	375/	232		26/97
	E.	6397318	5/28/02	Peh	71	220	1	2/98
	F.	6412081	6/25/02	Koscal et al.	714	34	T	5/99
	G.	6487654	11/26/02	Dowling	712	244		12/01
	Н.	2002/0194466	12/19/02	Catherwood et al.	712	241		1/01
	l.	6523108	2/18/03	James et al.	7/12	224		23/99
_	J.	6564238	5/13/03	Kim et al.	708	513		2/00
L	К.	2003/0093656	5/15/03	Masse et al.	712	241		1/99
	L.	6633970	10/14/03	Clift et al.	712	217		28/99
	М.	. 6658578	12/2/03	Laurenti et al.	713	324		1/99
Ш	N.	6681280	1/20/04	Miyake et al.	710	261		4/00
Ш	0.	6763478	7/13/04	Vinh X. Bui	713	6Q0		24/00
Ц	P.	6751742	6/15/04	Duhault et al.	713	323		1/99
Ш	Q.	6202163	3/13/01	Gabzdyl et al.	713	824		0/98
	R.	5815693	9/29/98	McDermott et al.	713	501		15/95
1	S.	5778237	7/7/98	Yamamoto et al.	713	322	1	14/95
Or	γ T.	4615005	9/30/86	Maejima et al.	713	601	7/2	0/84
	U.			·				
<u> </u>	V.	· · · · · · · · · · · · · · · · · · ·						
<u> </u>	W.	-						
				FOREIGN PATENT DOCUME	NTS	<u>.</u>		
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	LATION NO
L	X.							
<u> </u>	Y.							
		NON-PATEN	T DOCUMENTS - D	OCUMENT (Including Author,	, Title, Source, and Per	linent Pages)	·	
	Z.							
EX	AMINER	NG	77		DATE CONSIDEREI	0/	L	
				····-	4/04	<u>/° ></u>		
con	AMINER: sidered. Ir	Initial if citation considers clude copy of this form wi	ed, whether or not cital th next communication	tion is in conformance with MPEP n to the applicant.	§ 609. Draw line through	citation if not in con	formance a	nd not

·<u>-</u>

•	(a)	7				Page 1 of 1
PTO-1449	DEE 2 9 7500		Application No.	Applicant(s)		
	\	7	09/870,649	Catherwood		
Infor		ure Citation	Docket Number	Group Art (Unit Fil	ing Date
	in an Applica	ation	068354.1440	2124	Ju	ine 1, 2004
<u> </u>			U.S. PATENT DOCUMENTS			
	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLA	SS FILING DATE
A	6728856	4/27/04	Grosbach et al.	711	202	6/1/01
В.	6282637	8/28/01	Chan et al.	712	223	12/2/98
c.	6055619	4/25/00	North et al.	713	36	2/7/97
D.	5974549	10/26/99	Golan	713	200	3/27/97
E.						
F.						
G.	<u> </u>	<u> </u>	A			
Н.	(No q	Hatement	as specifical	W 37	CPR	1.97(e)
1.						
J.	· <u></u>					
к.					7	
L.						
М.		_,				
N.						
<u> </u>						
			FOREIGN PATENT DOCUMENT	s		
_	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLA	SS TRANSLATION YES NO
P.					-	
Q.						
R.						
s.						
т.						
U.						
	NON-PATENT	F DOCUMENTS -	DOCUMENT (Including Author, Ti	tle, Source, and Pe	rtinent Page	s)
V:	SPARC, Internationa	I, Inc., "The SPA	ARC Architecture Manual*, Versi	on 8, pp 1-303		1992
w.	7					
X.	/					
Y. /						
z/						
EXAMINER				DATE CONSIDERE	ED	
EXAMINER:	Initial if citation considere	d, whether or not ci	tation is in conformance with MPEP § 6	509. Draw line through	h citation if not	in conformance and not
COMBIGUICO. INC	inde copy of this form wi	ui iiexi communicati	ion to the applicant.			İ

		Micr 4	<u> </u>		Application No.		pplicant(s)			<u>Pa</u>	ge 1 of 1
PT	D-1449	e her 1	0 2004					_			j
	Info	rmation Disclos	uro	ion	09/870,649 Docket Number		Group Art		Filing Da	10	—— <u> </u>
	11110	in an Applice	ition	.011				Jun			
					068354.1440		2124		June 1,	2004	
				U.:	S. PATENT DOCUMENTS	; 				\angle	
		DOCUMENT NO.	DATE		NAME		CLASS	SUB	CLASS	FILIN	IG DATE
	A.	3930253	12/30/75		Maida	 	340	3	47/	1/:	24/74
	В.	'	!	-	·					_	
	C.					<u> </u>				-	
	D.							/	<u> </u>	ļ ·	
	E	111-11				<u> </u>			451		
	F.	1 No State	nent	as g	pecified in	3	7/cp	R (.	7/1	-	
	G.					 				<u> </u>	
	Н					$+\!\!\!/-$				<u> </u>	
	I.					4—					
	J.								<u>. </u>		
	K.	 		[-	 				
	L.										
	M.										
	N.				_/	-				<u> </u>	
	О.					<u> </u>	 -	<u></u>		<u>L</u>	
				FORE	EIGN PATENT DOCUMEN	-				TRAN	SLATION
		DOCUMENT NO.	DATE	/	COUNTRY	 	CLASS	SOR	CLASS	YES	NO
	P.										-
	Q.										
	R.					+					-
	S.		/			-					
	Т.					-			···		
	U.	NON PATENT	DOCUMENT	S - DOCUM	MENT (Including Author,	Title Sa	urce and Po	rtinent P		L	
	v.	HOLTAIENT	- JOOUMENT	- 50001	(meloding Addito),		arce, and Fe	- LINGIL F			
	W.									 	
	x.	_/					-	<u> </u>			
	Y	/									
	z,/						<u>, </u>	•			
EXA	MINER					DATI	E CONSIDERI	ED .			
EXA	MINER:	Initial if citation considere	d, whether or no	ot citation is	in conformance with MPEP	§ 609. Dr	raw line through	h citation i	f not in con	formance	and not
cons	idered. I	nclude copy of this form wit	h next commun	nication to th	e applicant.		_				

					Application No.		I Ar	plicant(s)			Pa	age 1 of 1
PT	0-144	9		_			- 1					
	Info	rmation Disclos	uro Odd		09/870,649 Docket Number			Group Art l		Filing Da	ıto.	
		in an Applica	ation	.o 85/					J			
			1 1	5 2005	068354.1440	_		2124		June 1	, 2001	
			1		S. PATENT DOCUME	NTS						
		DOCUMENT NO.	DATERA	EMARK	NAME		С	LASS	SUB	CLASS	FILIN	IG DATE
	A.				_						7	<u>-</u>
	В.											
	C.											
	D.				-						<u> </u>	
	E.										 -	
							_		_			
	F.							/			†	
	G.	-				+	-/	,			 	
	н.		<u> </u>						1		 	
	l.					-4			7			
· }	J	1 1	بر لا	DLr	issuel	12/	7	iva x	/ -		-	···
1	К	I THE	A 4	101	12802	+4		pur	- 		-	
	L.	1 0]		<u> </u>					<u> </u>	
	М.				/						ļ	
	N.										ļ	
	О				/							
				FORE	IGN PATENT DOCU	MENTS						
		DOCUMENT NO.	DATE		COUNTRY		C	LASS	SUB	CLASS	TRAN YES	SLATION NO
	Р.											
	Q.						•					
	R.											
	S.											
	т.											
	U.											
	* .	NON-PATENT	DOCUMENT	S - DOCUM	ENT (Including Auti	or, Title	, Sou	rce, and Pe	rtinent P	ages)	•	
	V	SPARC, Internationa									L	
	W.					voisio A	-⊍, p j	. 131-233			199	4-2000 —
		Free Op Line Dictionary http://www.bat.doc.ic.ac.	uk/foldoc/foldo	c.cgi?query	=program+counter							1995
	X.	/	·	·-							<u> </u>	
	Y	/	- 	<u></u>	·						<u> </u>	·
<u> </u>	Z. /											
EXA	MINER					L)ATE	CONSIDERE	D			
								 				
EXA	MINER	: Initial if citation considere	d, whether or no	ot citation is i	n conformance with Mi	PEP § 609	. Drav	w line through	citation	if not in con	formance	and not

		\0 \cdot \cd								Pa	ge 1 of 1
PTO-1449		OCT 2 5 2004	<u> </u>		Application No.	7	Applicant(s)				<u> </u>
l6			.		09/870,649 Catherwood						
Information Discourre Citation in an Application			on	Docket Number Group Art Uni			Unit	t Filing Date			
					068354.1440		2124		June 1, 2004		
				U.S	S. PATENT DOCUMENTS	;					
		DOCUMENT NO.	DATE		NAME		CLASS S		CLASS FILING DA		G DATE
ly	Α.	4945507	7/31/90		Ishida et al.		yos s		3ф	6/12/89	
<u> </u>	В.	5701493	12/23/97		Jaggar		395 73		34	8/3/95	
\perp	c.	5386563	1/31/95	Thomas, deceased			395 (0	10/13/92	
\perp	D.	6694398	2/17/04	Zhao et al.			710		50	4/30/01	
\perp	E.	5623646	4/22/97	Clarke			395		0	9/12/95	
1/	F.	4709324	11/24/87	Kloker			364		0	11/27/85	
Ŋ	G.	5561384	10/1/96		Reents et al.		327	10)B	11/8/95	
Cu	н.	5450027	9/12/95		Gabara		326	9	98 4/8/94		8/94
	1	····					()		. •		
	J.							<u> </u>			
	к.									<u> </u>	
	L.										
	М.	<u> </u>									
:	N.										
•	О.										
FOREIGN PATENT DOCUMENTS											
		DOCUMENT NO.	DATE		COUNTRY	(CLASS SU		LASS	TRANSLATION YES NO	
	P.										
	Q.										
	R.										
	S.							<u> </u>			
	т.										
	U.						··-	<u> </u>			
		NON-PATENT	DOCUMENTS	- DOCUM	ENT (Including Author, 1	Title, So	urce, and Pe	ertinent Pa	ges)		
	V.	'.									
	w. '	1.									
	X.										
	Y.										
	Z.										
EXA	MINER	4/06	NG			DATE CONSIDERED 4/04/05					
EXA consi	MINER: Incl	itial if citation considere	d, whether or not th next communic	citation is i	n conformance with MPEP § applicant.	609. Dr	aw line throug	h citation if	not in con	formance	and not